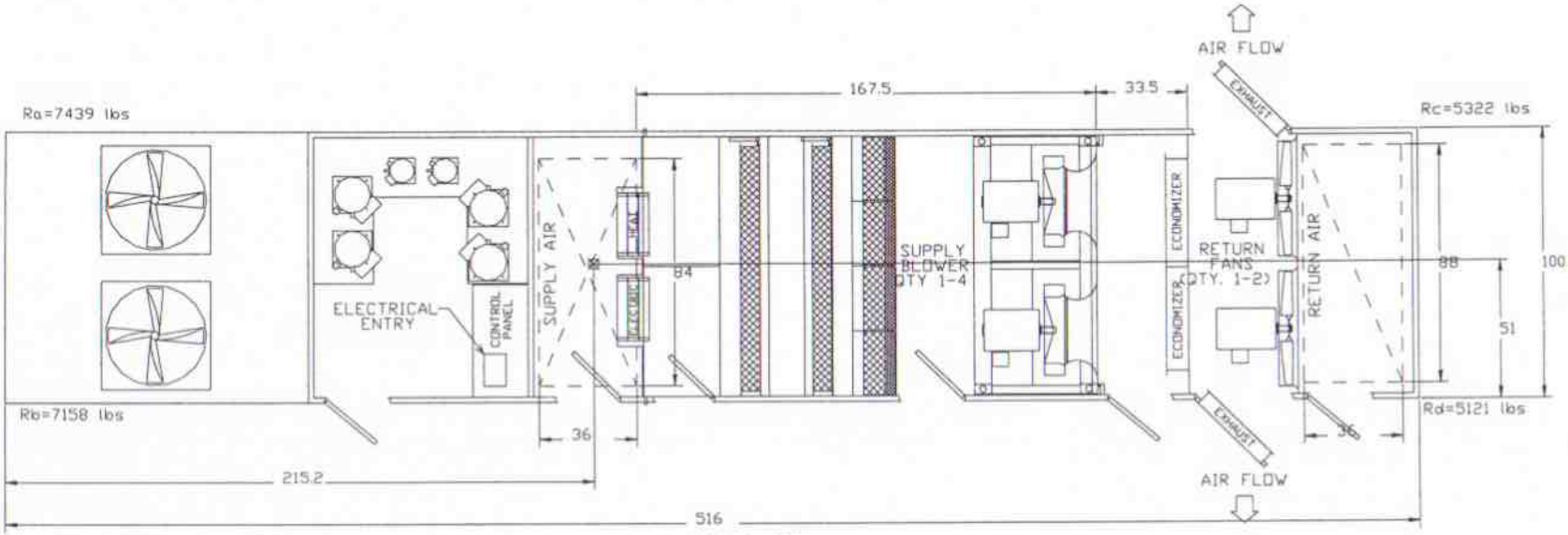
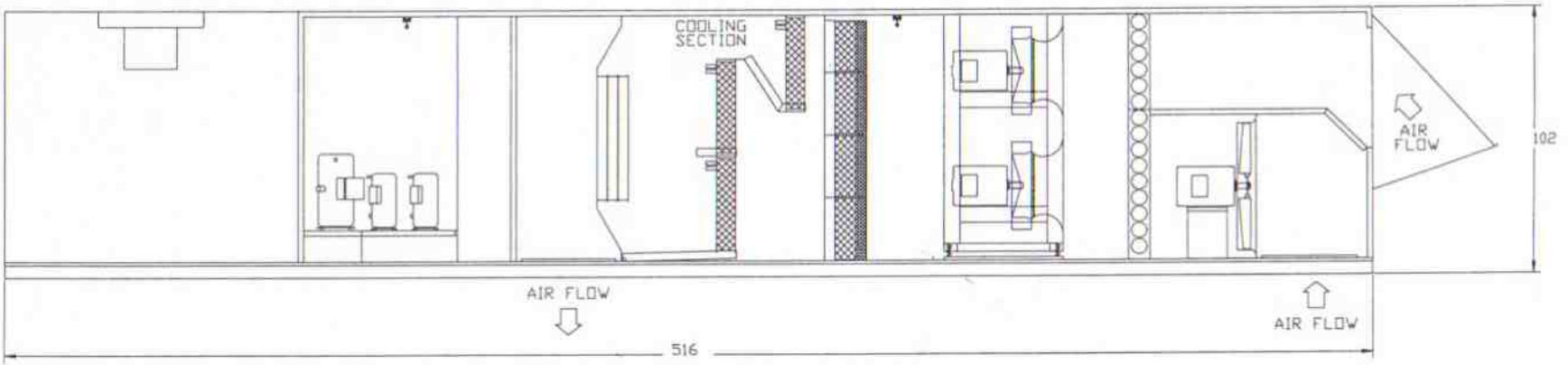
Exhibit 13

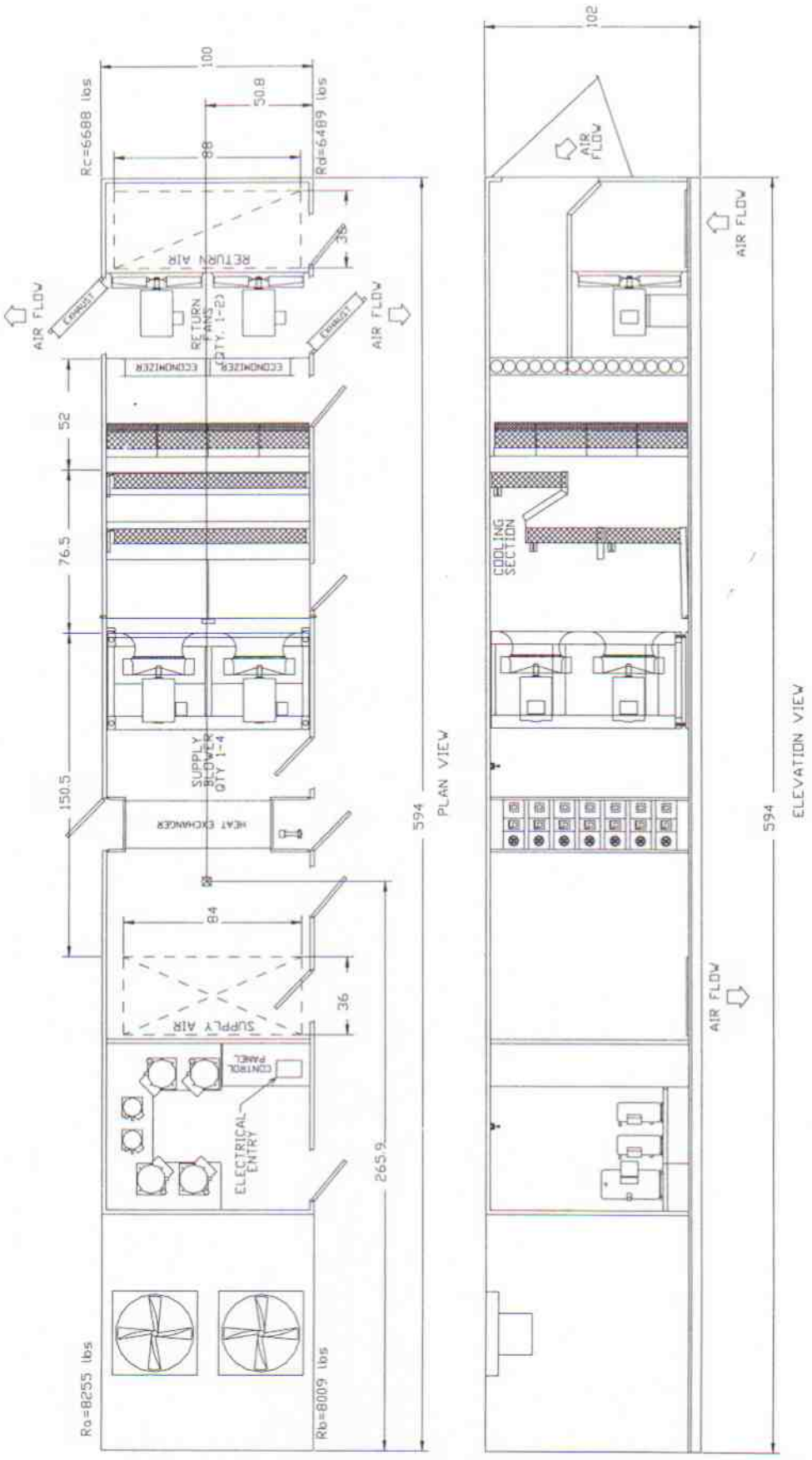


PLAN VIEW



ELEVATION VIEW

AAON inc. TULSA OKLAHOMA	Configurator: RL-135-3-0-0F02-161CDDF-D00-FAY-DNC-F0AB000-00-0B0000A0B JOB NAME: TYPICAL DRAWINGS TO SHOW FEATURE OPTIONS		UNIT TAG: RTU# 5	
	PURCHASER:	PURCHASE ORDER:	SERIAL NO.:	DATE: 02/04/2002
Total Weight: 25041 / Shipping Weight: 20641	Rep Contact: NOT FOR JOB USE	Ordered By: USE ECAT PROGRAM	Engineer:	



AAON inc.
TULSA OKLAHOMA

Total Weight: 29442 / Shipping Weight: 25042

Rep Contact: NOT FOR JOB USE

Configurator: RL-135-3-0-AF02-223CDCF-D00-FAY-DNC-F0AB000-00-ED0000A0B
JOB NAME: TYPICAL DRAWINGS TO SHOW FEATURE OPTIONS

PURCHASER:

PURCHASE ORDER:

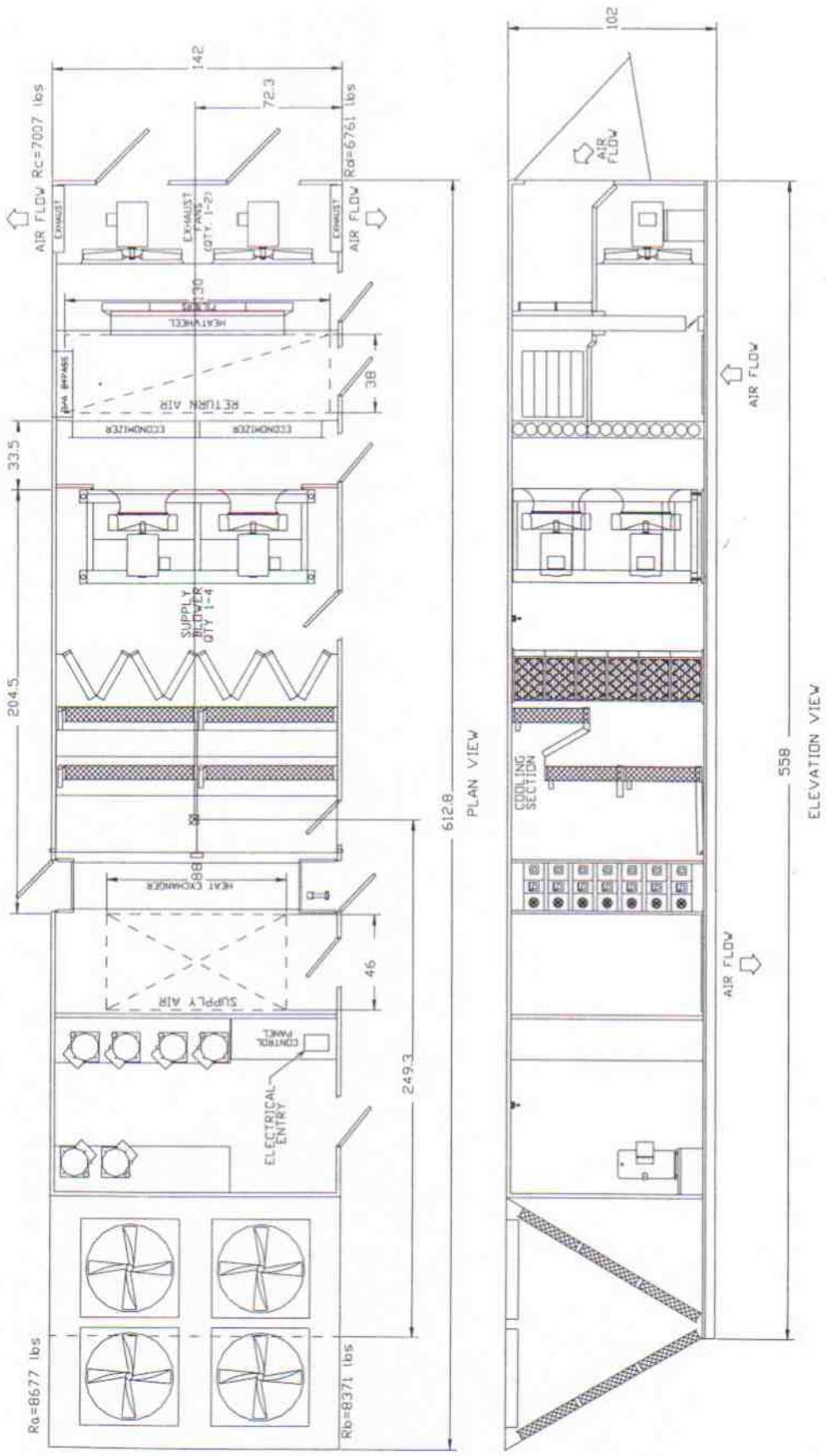
Ordered By: USE ECAT PROGRAM

UNIT TAG: RTU# 6

SERIAL NO.:

DATE: 02/04/2002

Engineer:



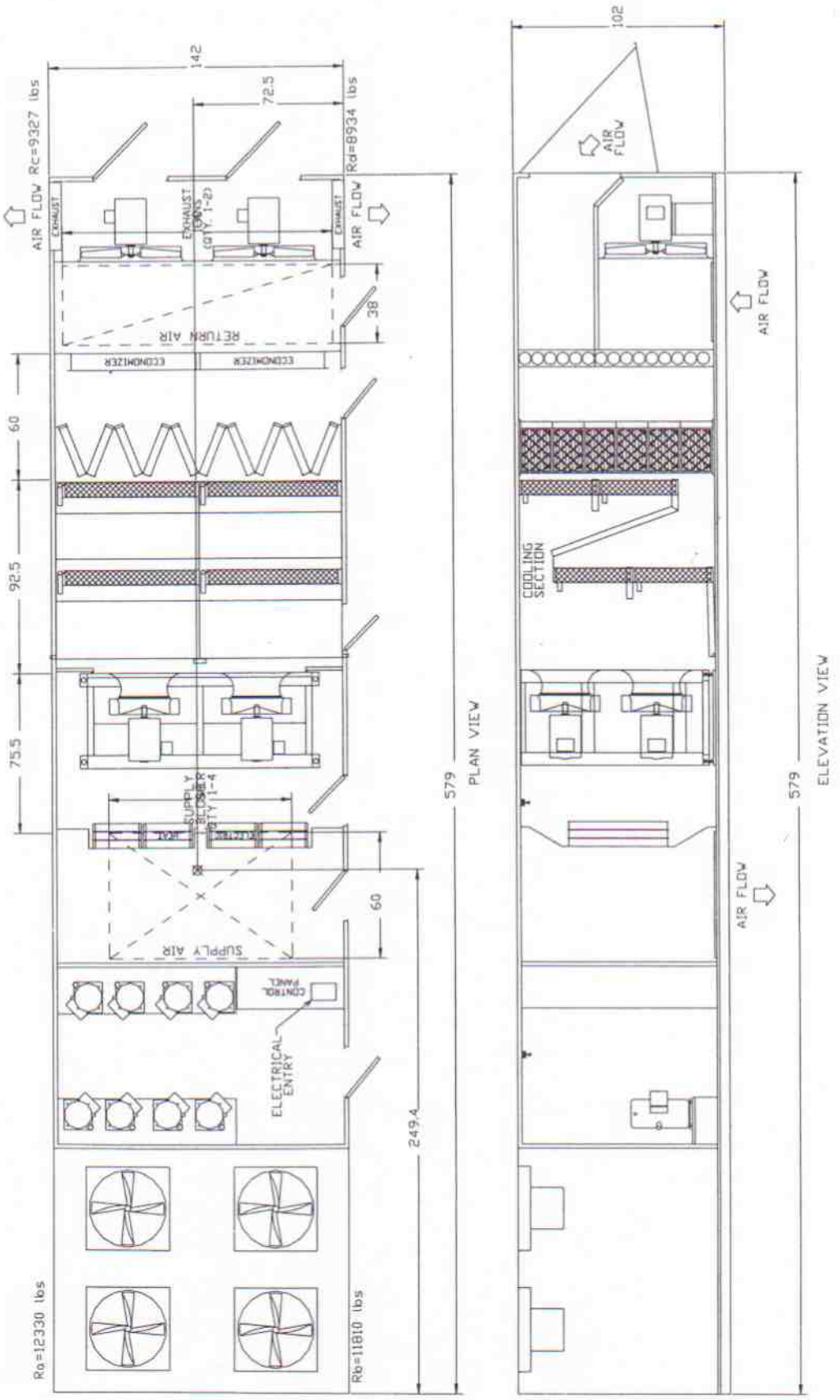
AAON INC.
TULSA OKLAHOMA

Configurator: RL-170-3-0-0A02-233JCDN-D00-EC2-000-000C000-00-00000A00B
JOB NAME: TYPICAL DRAWINGS TO SHOW FEATURE OPTIONS

PURCHASER:
PURCHASE ORDER:
Rep Contact: NOT FOR JOB USE
Ordered By: USE ECAT PROGRAM

UNIT TAG: RTU# 7
SERIAL NO.:
DATE: 02/04/2002
Engineer:

Total Weight: 30816 / Shipping Weight: 30816



AON inc.
TULSA OKLAHOMA

Configurator: RL-230-3-0-AF02-172:BDBH-D00-GCH-A00-000D000-00-000000A0B
JOB NAME: TYPICAL DRAWINGS TO SHOW FEATURE OPTIONS
PURCHASER:
PURCHASE ORDER:
Rep Contact: NOT FOR JOB USE
Ordered By: USE ECAT PROGRAM
Total Weight: 42401 / Shipping Weight: 35901

UNIT TAG: RTUM B
DATE: 02/04/2002
SERIAL NO.:
Engineer:

Cooling Coil Psychrometrics

(normal air conditioning range)

AAON, Inc.
2545 South Yukon Ave
Tulsa, Oklahoma 74107
Phone: 918 583 2266 Fax: 918 583 6094

$WB_{entering}$=67.00 [F]

T_1=80.00 [F] wb_1=67.00 [F]

dp_1=60.31 [F] w_1=0.011167 [lbw/lba]

cfm_1=77788.0 [ft^3/min] ρ_1=0.072 [lba/ft^3]

RH_1=51.1 [%]

T_2=55.00 [F] WB_2=54.00 [F]

dp_2=53.29 [F] w_2=0.008632 [lbw/lba]

cfm_2=73887.5 [ft^3/min] ρ_2=0.076 [lba/ft^3]

RH_2=94.0 [%]

$WB_{Leaving}$=54.00 [F]

If the coil is dry, the wet bulb leaving is based on the leaving dry bulb temperature and entering humidity ratio.

Q_{total}=2993698.5 [Btu/hr] 249.47 [tons]

$Q_{sensible}$=2057327.8 [Btu/hr] 171.44 [tons]

Q_{latent}=936370.7 [Btu/hr] 78.03 [tons]

SCFM=74892.6 [ft^3/min]

mfr_{air}=337016.6 [lba/hr]

$mfr_{condensate}$=854.28 [lbw/hr]

SHR=0.687

ALTITUDE=0 [ft] PB=14.696 [psia]

AltitudeStandardCfm=75000.00 [ft^3/min]

K_{sens}=1.0997 K_{lat}=4835

AltStdDen=0.075 [lb_m/ft^3]

Chilled Water Flow Calculator

EWT=44.00 [F] LWT=56.00 [F]

GPM_{CHW}=498.9

Calculate | Psych sea level | Psych 3900 ft | Psych 5300 ft | Psych 7500 ft

Adiabatic Mixing

AAON, Inc.
2425 South Yukon Ave
Tulsa, Oklahoma 74107
Phone: 918 583 2266 Fax: 918 583 6094

Altitude=0 [ft] PB=14.696 [psia] AltStdDen=0.075 [ft^3/lba]

T_1=75.000 [F] WB_1=60.000 [F]

RH_1=41.2 [%] W_1=0.007592 [lbw/lba]

CFM_1=24011.4 [ft^3/min]

$h_{a,1}$=26.329 [Btu/lba]

$M_{a,1}$=105598.5 [lba/hr]

$v_{a,1}$=13.6 [ft^3/lba]

$CFM_{std,1}$=23500 [ft^3/min]

1

T_3=82.600 [F]

WB_3=67.316 [F]

W_3=0.010797 [lbw/lba]

RH_3=45.4 [%]

CFM_3=44266.3 [ft^3/min]

$h_{a,3}$=31.698 [Btu/lba]

$M_{a,3}$=190976.1 [lba/hr]

$v_{a,3}$=13.9 [ft^3/lba]

$CFM_{std,3}$=42500 [ft^3/min]

3

2

T_2=92.000 [F] WB_2=75.000 [F]

RH_2=45.8 [%] W_2=0.014701 [lbw/lba]

CFM_2=20258.8 [ft^3/min]

$h_{a,2}$=38.368 [Btu/lba]

$M_{a,2}$=85377.5 [lba/hr]

$v_{a,2}$=14.2 [ft^3/lba]

$CFM_{std,2}$=19000 [ft^3/min]

All CFM Input are actual air conditions CFMstd Output are Altitude Standard Air Conditions

Calculate | Sea Level | 3900 ft | 5300 ft | 7500 ft

MIXED AIR CONDITIONS

Purpose:

Use this routine to determine the Mixed Air Conditions for Blow Through Systems when the Cooling Coil Entering Conditions and CFM_{SA} are known.

AAON, Inc.
2425 South Yukon Ave
Tulsa, Oklahoma 74107
Phone: 918 583 2266 Fax: 918 583 6094

CCEADB= 84.11 [F]

CCEAWB= 67.58 [F]

MADB=80.99 [F]

MAWB=66.59 [F]

CFM_{SA}= 18500.0 [ASCFM]

Qty= 3 BHP= 7.44 [bhp]

η_{Motor}= 89.5 [%]

Calculate ALTITUDE= 0 [ft] PB=14.7 [psia]

AAON, INC.
Tulsa, Oklahoma 74107
2545 South Yukon Ave
Phone: 918 583 2266 Fax: 918 583 6094

Fan Law Calculator

RPM_{base}= 1200.0	$NewRpm_1$=1200.0	**$NewRpm_2$= 1200.0**	$NewRpm_3$=1200.0
cfm_{base}= 10000.0 [cfm]	**$NewFanCFM_1$= 8750.0 [cfm]**	$NewFanCFM_2$=8750.0 [cfm]	$NewFanCFM_3$=8750.0 [cfm]
SP_{base}= 4.000 [in.wg.]	$NewFanSP_1$=4.000 [in.wg.]	$NewFanSP_2$=4.000 [in.wg.]	**$NewFanSP_3$= 4.000 [in.wg.]**
BHP_{base}= 10.0 [hp]	$NewFanBhp_1$=8.7 [bhp]	$NewFanBhp_2$=8.8 [bhp]	$NewFanBhp_3$=8.7 [bhp]
η_{base}=63.0 [%]	$NewFan_{ETA,1}$=63.032 [%]	$NewFan_{ETA,2}$=63.032 [%]	$NewFan_{ETA,3}$=63.032 [%]
Dia_{base}= 27.00 [in.]	**$NewDiameter_1$= 27.0 [in.]**	**$NewDiameter_2$= 27.0 [in.]**	**$NewDiameter_3$= 27.0 [in.]**
$Width_{base}$= 8.0 [in.]	**$NewWidth_1$= 7.0 [in.]**	**$NewWidth_2$= 7.0 [in.]**	**$NewWidth_3$= 7.0 [in.]**

Calculate

Single Zone Blow Through System Psychrometrics

AAON, Inc.
2545 South Yukon Ave
Tulsa, Ok 74107
Phone: 918 583 2266 Fax: 918 583 6094

CCEADB=88.4 [F] CCLADB=50.0 [F]
CCEAWB=67.5 [F] CCLAWB=49.2 [F]

CCTH=48.9 [tons] 586820 [Btu/hr]
CCSH=38.4 [tons] 461156 [Btu/hr]
CCLH=10.5 [tons] 125665 [Btu/hr]

Fan
CFMOA=5000 [cfm]
MADB=85.2 [F]
MAWB=66.5 [F]
OA
OADB= 95.0 [F]
OAWB= 72.0 [F]
TRADB=77.00 [F]
Cooling Coil
SDHG%=-0.0
DTDUCT= 0.0 [F]
SA
CFMSA=10965 [cfm]
EA
CFMEA= 4000 [cfm]
RADB=77.0 [F]
DTRA= 2.0 [F]
RAHG%=7.3
RA
CFMRA=9965 [cfm]
RAHG=21811.2 [Btu/hr]
SADB= 50.0 [F]
RMDB= 75.0 [F]
RSH,RLH
Room
CFM_{inf}= 0
RMRH=43.4 [%]
CFMZEA= 1000 [cfm]

Supply Fan
FAN_{EFF}= 0.55
$MOTOR_{EFF}$= 0.93
FAN_{DP}= 4.5 [in. wg.]
SFHG%=12.89
DTFAN=3.2 [F]
FNPWR=11.32 [kW]
HP_{fan}=14.12 [hp]

RETURN FAN
$RFAN_{EFF}$= 0.55
$RMOTOR_{EFF}$= 0.9
$RFAN_{DP}$= 0
RFHG%=0
RDTFAN=0.00 [F]
RFNPWR=0.00 [kW]
RHP_{fan}=0.00 [hp]

RSH_{sub}= 300000.0 [Btu/hr] RSH=300000.0 [Btu/hr] $RSH_{infiltration}$=0 [Btu/hr]
RLH_{sub}= 40000 [Btu/hr] RLH=40000.0 [Btu/hr] $RLH_{infiltration}$=0 [Btu/hr]

ALTITUDE= 0 [ft]
PB=14.696 [psia]
All CFM based on
AltStdDen=0.075 [lba/ft^3]
K_{sens}=1.09
K_{lat}=4835

Psych Sea Level | Psych 3900 ft | Psych 5000 ft | Psych 5300 ft | Psych 7500 ft | Psych 10000 ft
Calculate

Single Zone Draw Through System Psychrometrics

AAON, Inc.
2425 South Yukon Ave
Tulsa, Oklahoma 74107
Phone: 918 583 2266 Fax: 918 583 6094

CCEADB=85.2 [F] CCLADB=46.8 [F]
CCEAWB=65.9 [F] CCLAWB=46.1 [F]

CCTH=50.6 [tons] 606919 [Btu/hr]
CCSH=38.4 [tons] 461065 [Btu/hr]
CCLH=12.2 [tons] 145855 [Btu/hr]

MADB=85.2 [F]
MAWB=65.9 [F]
CFMOA=5000 [cfm]
SDHG%=-0.0
DTDUCT= 0.0 [F]
OADB= 95.0 [F]
OAWB= 72.0 [F]
TRADB=77.0 [F]
RADB=77.0 [F]
DTRA= 2.0 [F]
CFMSA=10982 [cfm]
CFMZEA= 1000 [cfm]
CFMEA= 4000 [cfm]
RAHG%=7.3
CFMRA=9982 [cfm]
RAHG=21814.5 [Btu/hr]
SADB= 50.0 [F]
RMDB= 75.0 [F]
CFM_{inf}= 0 [cfm]
RMRH=38.9 [%]

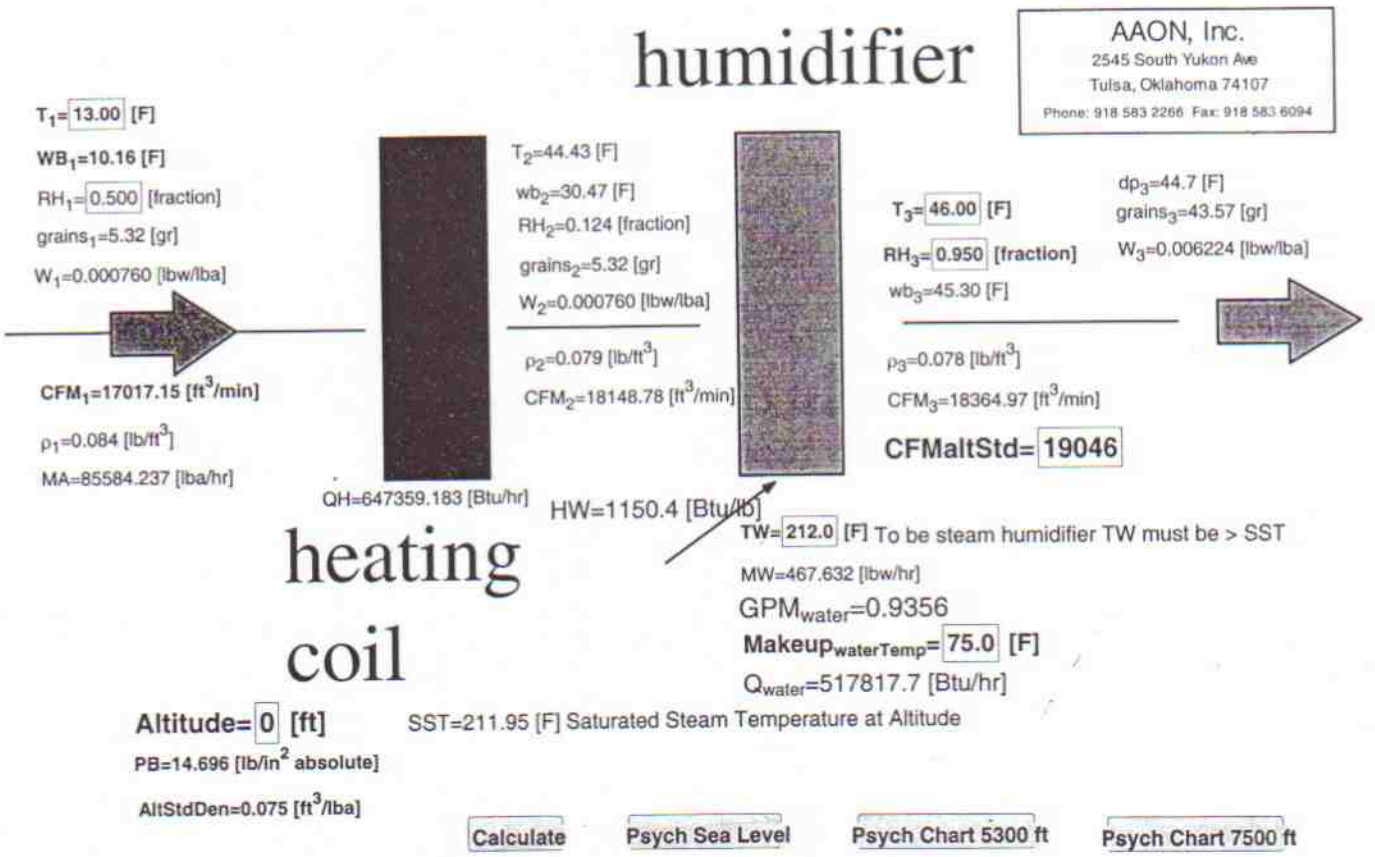
Supply Fan
FAN_{EFF}= 0.55
$MOTOR_{EFF}$= 0.93
FAN_{DP}= 4.5 [in. wg.]
SFHG%=12.91
DTFAN=3.2 [F]
FNPWR=11.34 [kW]
HP_{fan}=14.14 [hp]

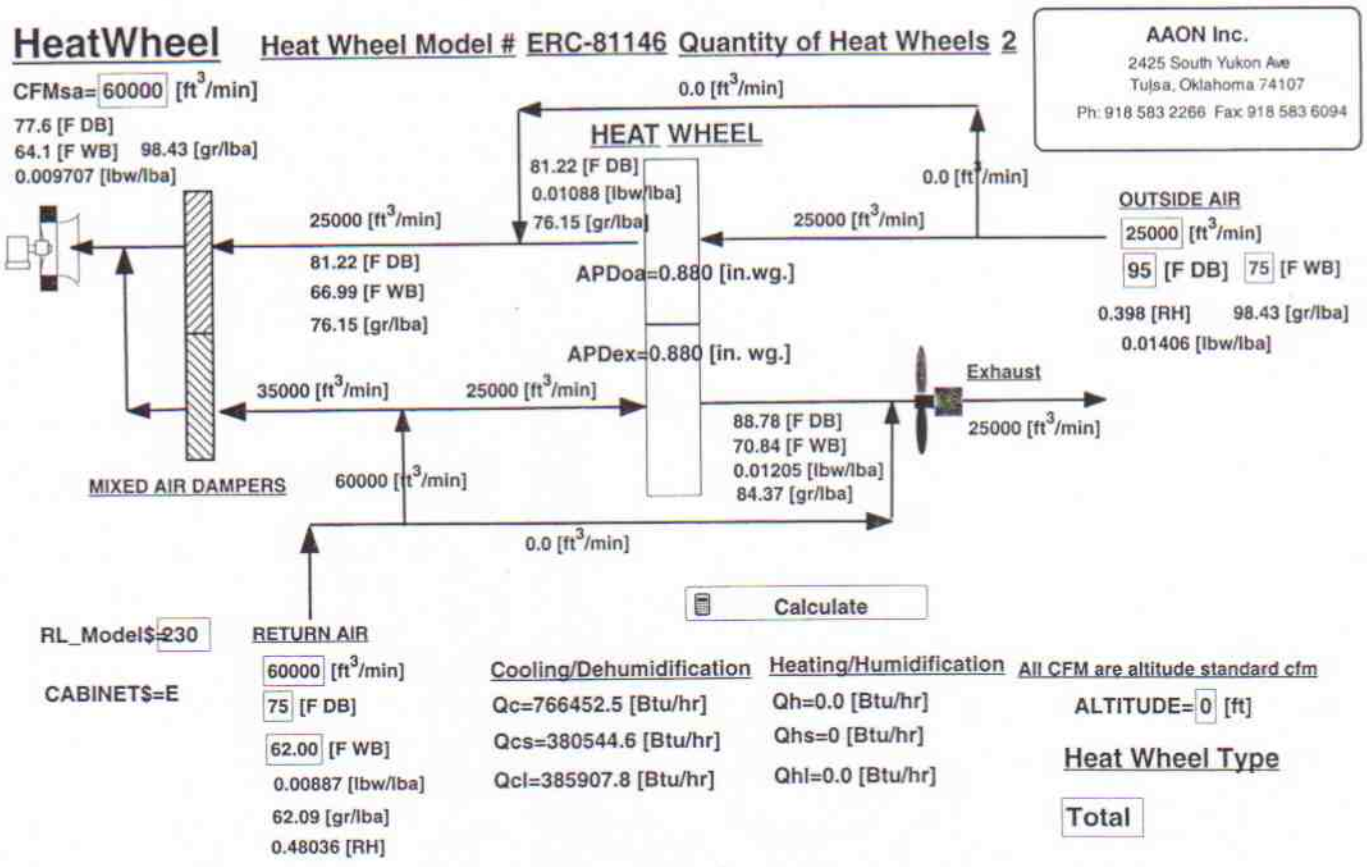
Return Fan
$RFAN_{EFF}$= 0.550
$RMOTOR_{EFF}$= 0.9
$RFAN_{DP}$= 0.0 [in.wg.]
RFHG%=0.00
RDTFAN=0.000 [F]
RFNPWR=0.00 [kW]
RHP_{fan}=0.0 [hp]

RSH_{sub}= 300000 [Btu/hr] $RSH_{infiltration}$=0 [Btu/hr] RSH=300000.0 [Btu/hr]
RLH_{sub}= 40000 [Btu/hr] $RLH_{infiltration}$=0 [Btu/hr] RLH=40000 [Btu/hr]
RSHR=0.8824

ALTITUDE= 0 [ft]
PB=14.696 [psia]
AltStdDen=0.075 [ft^3/lba]
K_{sens}=1.09
K_{lat}=4835

Calculate | Psych Sea Level | Psych 3900 ft | Psych 5300 ft | Psych 7500 ft


humidifier
AAON, Inc.
2545 South Yukon Ave
Tulsa, Oklahoma 74107
Phone: 918 583 2266 Fax: 918 583 6094
T1= 13.00 [F]
WB1=10.16 [F]
RH1= 0.500 [fraction]
grains1=5.32 [gr]
W1=0.000760 [lbw/lba]
CFM1=17017.15 [ft3/min]
ρ1=0.084 [lb/ft3]
MA=85584.237 [lba/hr]
QH=647359.183 [Btu/hr]
T2=44.43 [F]
wb2=30.47 [F]
RH2=0.124 [fraction]
grains2=5.32 [gr]
W2=0.000760 [lbw/lba]
ρ2=0.079 [lb/ft3]
CFM2=18148.78 [ft3/min]
HW=1150.4 [Btu/lb]
T3= 46.00 [F]
RH3= 0.950 [fraction]
wb3=45.30 [F]
dp3=44.7 [F]
grains3=43.57 [gr]
W3=0.006224 [lbw/lba]
ρ3=0.078 [lb/ft3]
CFM3=18364.97 [ft3/min]
CFMaltStd= 19046
heating coil
TW= 212.0 [F] To be steam humidifier TW must be > SST
MW=467.632 [lbw/hr]
GPMwater=0.9356
Makeupwatertemp= 75.0 [F]
Qwater=517817.7 [Btu/hr]
Altitude= 0 [ft]
SST=211.95 [F] Saturated Steam Temperature at Altitude
PB=14.696 [lb/in2 absolute]
AltStdDen=0.075 [ft3/lba]
Calculate
Psych Sea Level
Psych Chart 5300 ft
Psych Chart 7500 ft


HeatWheel
Heat Wheel Model # ERC-81146 Quantity of Heat Wheels 2
AAON Inc.
2425 South Yukon Ave
Tulsa, Oklahoma 74107
Ph: 918 583 2266 Fax 918 583 6094
CFMsa= 60000 [ft3/min]
77.6 [F DB]
64.1 [F WB] 98.43 [gr/lba]
0.009707 [lbw/lba]
0.0 [ft3/min]
HEAT WHEEL
81.22 [F DB]
0.01088 [lbw/lba]
76.15 [gr/lba]
0.0 [ft3/min]
OUTSIDE AIR
25000 [ft3/min]
95 [F DB] 75 [F WB]
0.398 [RH] 98.43 [gr/lba]
0.01406 [lbw/lba]
25000 [ft3/min]
25000 [ft3/min]
81.22 [F DB]
66.99 [F WB]
76.15 [gr/lba]
APDoa=0.880 [in.wg.]
APDex=0.880 [in. wg.]
Exhaust
35000 [ft3/min]
25000 [ft3/min]
88.78 [F DB]
70.84 [F WB]
0.01205 [lbw/lba]
84.37 [gr/lba]
25000 [ft3/min]
MIXED AIR DAMPERS
60000 [ft3/min]
0.0 [ft3/min]
Calculate
RL_Model$= 230
CABINET$=E
RETURN AIR
60000 [ft3/min]
75 [F DB]
62.00 [F WB]
0.00887 [lbw/lba]
62.09 [gr/lba]
0.48036 [RH]
Cooling/Dehumidification
Qc=766452.5 [Btu/hr]
Qcs=380544.6 [Btu/hr]
Qcl=385907.8 [Btu/hr]
Heating/Humidification
Qh=0.0 [Btu/hr]
Qhs=0 [Btu/hr]
Qhl=0.0 [Btu/hr]
All CFM are altitude standard cfm
ALTITUDE= 0 [ft]
Heat Wheel Type
Total

Langelier Saturation Index Calculator

T= 101.7 [F] 38.7 [C]

pH= 7.100

TDS= 660.0 [mg/L]

Calcium= 392.0 [mg/L as $CaCO_3$]

Alkalinity= 76.0 [mg/L as $CaCO_3$]

$Conductivity_{Approximate}$=1453 [micro-mho/cm]

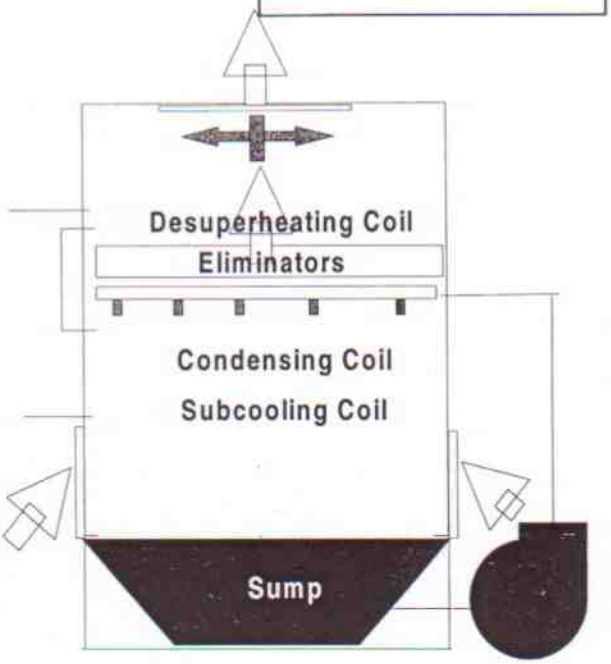
LSI=-0.1396

Border Line Scale Potential

LSI Calculator

Internet Link to Information on Corrosion

AAON Inc.
2425 South Yukon Ave
Tulsa, Oklahoma 74107
Phone: 918 583 2266 Fax: 918 583 6094



Sensible Heating

AAON Inc.
2425 South Yukon Ave
Tulsa, Oklahoma 74107
Ph: 918 583 2266 FX: 918 583 6094

ALTITUDE= 0 [ft] PB=14.70 [psia]

T_1= 80.0 [F]

WB_1= 67.0 [F] MaxWB=67 [F]

CFM_1=20743.5 [ft^3/min]

RH_1=0.511 [fraction]

ρ_1=0.072 [lba/ft^3]

DP_1=60.31 [F]

W_1=0.01117 [lbw/lba]

QS=50900.0 [Btu/hr]

MFA=89871.1 [lba/hr]

altstdcfm= 20000.0 [ft^3/min]

T_2=82.3 [F]

wb_2=67.7 [F]

CFM_2=20832.2 [ft^3/min]

RH_2=0.474 [fraction]

ρ_2=0.072 [lba/ft^3]

DP_2=60.31 [F]

W_2=0.01117 [lbw/lba]

K_{sens}=1.102

AltStdDen=0.075 [lab/ft^3]

$Q_{SENSIBLE}$= 0.0 [Btu/hr] BHP= 20.000 [hp] WATTS= 0.0 [watts]

Calculate

Sensible Heating 2

AAON Inc.
2424 South Yukon Ave
Tulsa, Oklahoma 74107
Ph: 918 583 2266 FX: 918 583 6094

ALTITUDE= 0 [ft] PB=14.70 [psia]

T_1= 60.0 [F]

WB_1= 55.0 [F] MaxWB=55 [F]

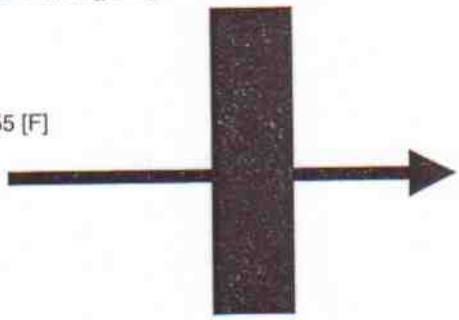
CFM_1=19876.3 [ft^3/min]

RH_1=0.732 [fraction]

ρ_1=0.075 [lba/ft^3]

DP_1=51.42 [F]

W_1=0.00805 [lbw/lba]



QS=438441.1 [Btu/hr]

MFA=89871.1 [lba/hr]

T_2= 80.0 [F]

wb_2=62.5 [F]

CFM_2=20641.3 [ft^3/min]

RH_2=0.370 [fraction]

ρ_2=0.073 [lba/ft^3]

DP_2=51.42 [F]

W_2=0.00805 [lbw/lba]

K_{sens}=1.096

AltStdDen=0.075 [lab/ft^3]

altstdcfm= 20000.0 [ft^3/min]

Calculate

Pressure Drop Steam Piping

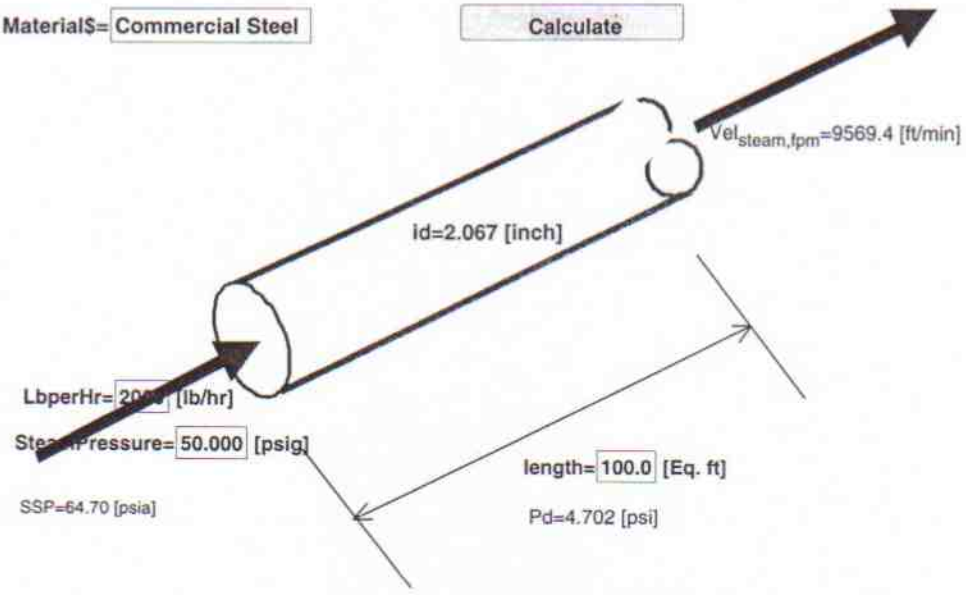
AAON Inc.
2425 South Yukon Ave
Tulsa, Oklahoma 74107
Phone 918 583 2266 Fax 918 583 6094

AtmosphericPressure= 14.7 [psia]

ε=0.00015000 [Pipe Roughness]

Material$= Commercial Steel

Calculate



Pipe Size Schedule 40

Nominal$= 2 inch

Pressure Drop **Water Piping**

AAON Inc.
2424 South Yukon Ave
Tulsa, Oklahoma 74107
Ph: 918 583 2266 Fx 918 583 6094

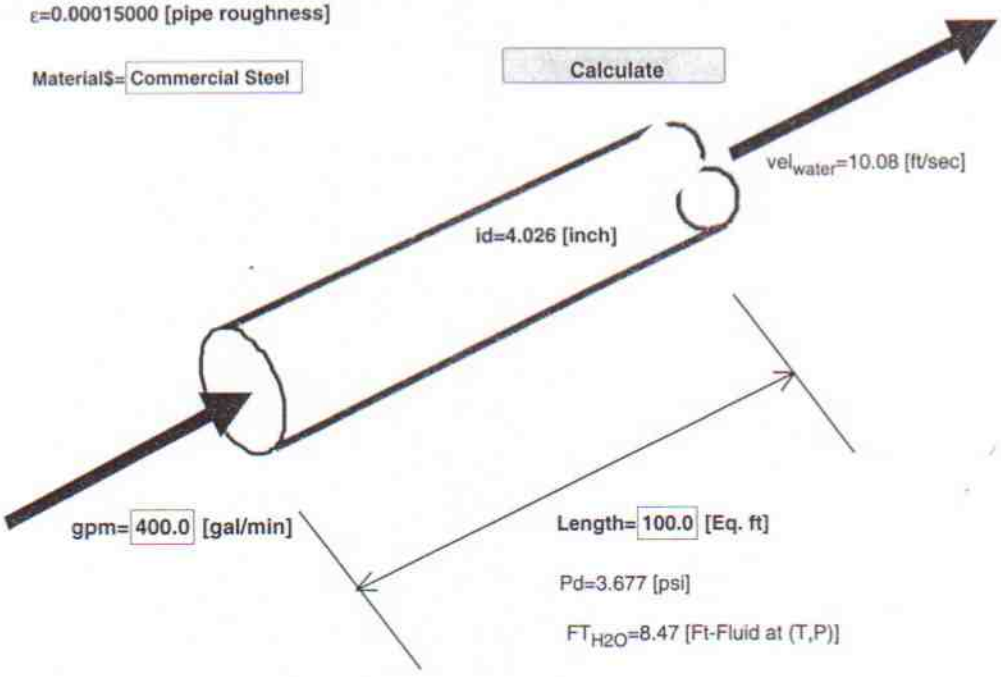
P= 80.000 [psia]

t= 60.000 [F]

ε=0.00015000 [pipe roughness]

Material$= Commercial Steel

Calculate



Schedule 40 Nominal Diameter

Nominal$= 4 inch

Duct Pressure Drop

AAON Inc.
2425 South Yukon Ave
Tulsa, Oklahoma 74107
Ph: 918 583 7407 Fax 918 583 6094

Altitude= 0

PB=14.70 [psia]

DB= 70.000 [F]

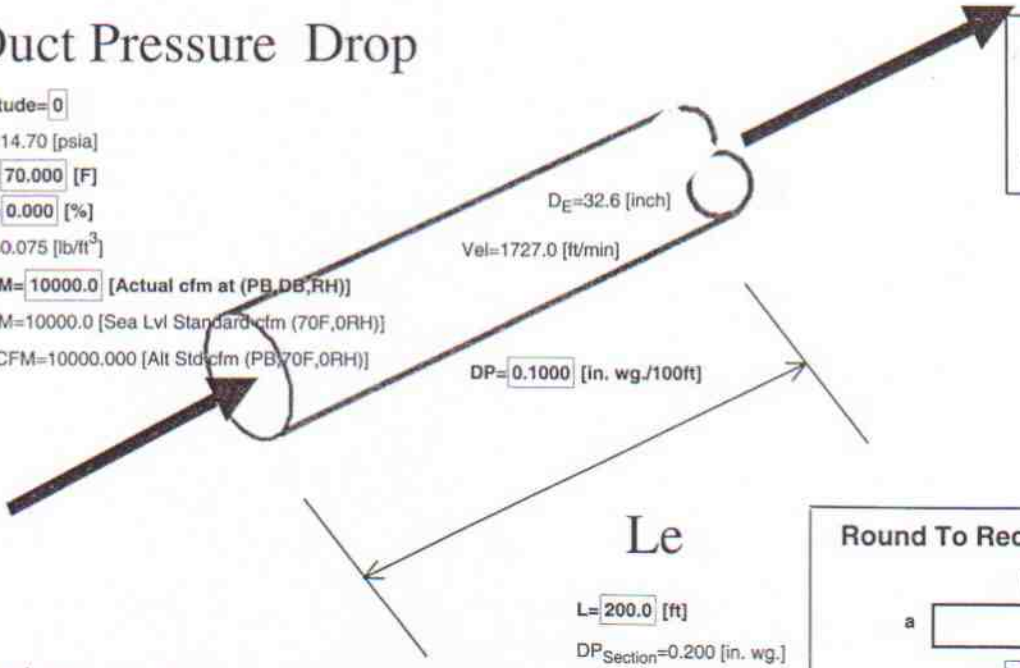
RH= 0.000 [%]

ρ_{air}=0.075 [lb/ft^3]

ACFM= 10000.0 [Actual cfm at (PB,DB,RH)]

SCFM=10000.0 [Sea Lvl Standard cfm (70F,0RH)]

AltSCFM=10000.000 [Alt Std cfm (PB,70F,0RH)]



Le

L= 200.0 [ft]

DP$_{Section}$=0.200 [in. wg.]

Roughness ε=0.000300

DuctMaterial$= Galvanized Steel Medium Smooth

Calculate

Round To Rectangular Conversion

b

a

a= 20.0 [inch]

b=46.4 [inch]

Vel$_{actual}$=1552.7 [ft/min]

RL Series
45 to 230 tons
Packaged Rooftop Conditioners & Air Handlers

Engineering Specifications and Selection Procedures

2425 South Yukon
Tulsa, Oklahoma 74107
Ph: (918) 583-2266
Fax: (918) 583-6094

R02330 • RL 45 - 230 • 1-03

AAON INC.

2425 S. YUKON, TULSA, OK 74107 918-583-2266

PLEASE REMIT TO:
AAON, INC. DEPT 563 TULSA, OK 74182

INVOICE

INVOICE NO. 265184

CUSTOMER NO. 848635 INV. DATE 02/28/02 PAGE 1

CUST. P O. NO. A-0440

SOLD TO	SHIP TO
TOBEY-KARG SALES AGENCY	WEIRTON MED CTR
4640 CAMPBELLS RUN ROAD	C/O SCALISE INDUSTRIES
	601 COLLIERS WAY
PITTSBURGH, PA 15205	WEIRTON, WV 26062
USA	USA

SALES ORDER NO.	TERMS	CUSTOMER JOB NO.	SHIP ZONE
254862	NET 30 DAYS	WEIRTON MED CTR.	WV

SHIP VIA	F. O. B. POINT	SHIP DATE	VENDOR# @ CUSTOMER
MELTON	TULSA OK	02/28/02	

BILL OF LADING NO. 244341 - 244555

FINAL DESTINATION 414

ITEM NO.	QUANTITY SHIPPED	DESCRIPTION	UNIT	PRICE	EXTENSION
		2/5 PER REP(DEBBIE) OK TO SHIP 2/19. JL			
		TAX %'s SUBJECT TO CHANGE			
1	2	38221	EA	[redacted]	[redacted]
		RL-155-3-0-AB06-000: HGC1E000B10B0JAAC00H000A000000X			
2	1	@FREIGHT	EA	[redacted]	[redacted]
		SUBTOTAL			[redacted]
		TAX (0.000%)			0.00
		DISCOUNT- 20 DAYS PAYMENTS RECEIVED 20 DAYS FROM INVOICE DATE			[redacted]
		INTEREST-1.5% PER MONTH CHARGED BEGINNING 30 DAYS AFTER INVOICE DATE			[redacted]
		>>> PAYMENT IN U.S. DOLLARS <<<			

TOTAL [redacted]

REPRINT OF ORIGINAL

11/19/01 15:51 FAX 412 787 8878 TOBEY KARG SALES & SERV. → AAON 001/008

SHIP ON 2/11/02

254862

AAON, Inc. — Order Form

8425 South Yukon Ave * Tulsa, OK 74107 * Ph (918) 583-2266 * Fax (918) 583-6094

Sold To	Tobey-Karg Sales Agency 4640 Campbells Run Rd Pittsburgh, Pa. 15205 USA	Date: 11/19/2001	Page 1 of 1
		Job Name: Weirton Medical Center	
		Customer P.O. #:	Job No / Job #:
		Customer #:	AAON Contact:
		Shop Order #:	Customer Contact:
Ship To	Weirton Medical Center c/o Scalise Industries 601 Colliers Way Weirton, W.Va. 26062 (Weirton) USA	Rep #1: 778	Rep #2:
		Action: Release To Production	
		Ship: ALLOWED	Via: Best Way
		Notify: Joe Scalise 48 Hours Before Delivery @ Phone No: 1-724-745-5100	
		Marketing Code:	Shipping Zone:

Qty	Part #	Description	Unit Net Ea.	Ext. Price
2		RL-166-4-0-AB06-000:HGC1-E00-QB1-0B0-JAACOOH 00-0A00000BB	[redacted]	[redacted]
TAG UNIT: RTU# 1,2		CFM: 58000 ESP: 2.5"		

Rep Contact: Creed Hess	Multiplier [redacted]	Total List Price $: [redacted]
		Total Net (Rep Cost) $:
		Freight $:
		Commission $:
Ordered By: Creed Hess		Total Billing* $:

*Total Billing Amount Does not Include any Applicable Local or State Taxes

[redacted]

Hancock
414

NT

ENTERED
NOV 14 2001

AAON, Inc. A-0440 Worksheet

2425 South Yukon Ave · Tulsa, Oklahoma 74107 7270 · Ph. (918) 583-2266 Fax (918) 583-6094

AAONEcat32 Ver. 4.00 Beta

RL-155-3-0-AB06-000:HGC1-E00-QB1-0B0-JAACC0H-00-0A0000000B

Tag: RTU# 1,2

Job Name:	Weston Medical Center	Worksheet For:	Tobey-Karg Sales Agency
Job Number:	Job #1	Worksheet Date:	November 19, 2001

Base	Option	Description	List Price	Rep. Price	Cust. Price
R	Series	Roof Top Unit			
L	Generation	Eighth Generation			
155	Size	One Hundred and Fifty Five			
3	Voltage	460V/3Ø/60Hz	[redacted]	[redacted]	[redacted]
0	Interior Protection	Standard	[redacted]	[redacted]	[redacted]
A	Cooling Style	Draw Thru-R22 Dual Circuited Compressors	[redacted]	[redacted]	[redacted]
B	Cooling Configuration	Air Cooled Cond w/ 65 cel High CFM	[redacted]	[redacted]	[redacted]
0	Cooling Coating	Std	[redacted]	[redacted]	[redacted]
6	Cooling Stages	6 Stage	[redacted]	[redacted]	[redacted]
0	Heating Type	No Heat	[redacted]	[redacted]	[redacted]
0	Heating Designation	No Heat	[redacted]	[redacted]	[redacted]
0	Heating Stages	No Heat	[redacted]	[redacted]	[redacted]

	Feature Option		Description	List Price	Rep. Price	Cust. Price
H	1A.	Outside Air Options	Heat Wheel Small (S) (1-14 inch wheel)*	[redacted]	[redacted]	[redacted]
G	1B	RA Blower Configuration	2 Blowers (Pram eff mtr) w/ 2-motors 2-VFD	[redacted]	[redacted]	[redacted]
C	1C.	RA Blower	Blower 0 (42" Dia 12 Blade)	[redacted]	[redacted]	[redacted]
1	1D.	RA Motor	25.0 hp (1760 rpm)	[redacted]	[redacted]	[redacted]
E	2.	Outside Air Controls	DDC Econ Control	[redacted]	[redacted]	[redacted]
0	3.	Discharge Location	Bottom Discharge	[redacted]	[redacted]	[redacted]
0	4.	Return Location	Bottom Return	[redacted]	[redacted]	[redacted]
→ Q	5A.	SA Blower Configuration	4 Blowers w/(Prem eff mtr) w/4-VFD's	[redacted]	[redacted]	[redacted]
B	5B.	SA Blower	Blower B (30" Diameter)	[redacted]	[redacted]	[redacted]
1	5C	SA Motor	25.0 hp (1760 rpm)	[redacted]	[redacted]	[redacted]
0	6A.	Pre-Filter	2" Pleated	[redacted]	[redacted]	[redacted]
B	6B	Final Filter	12" Cartridge 85% EC-Filter Box B	[redacted]	[redacted]	[redacted]
0	6C	Filter Options	Std	[redacted]	[redacted]	[redacted]
J	7.	Refrigeration Controls	5 MTDR On & Off + 20 STDS + 115V Outlet Factory	[redacted]	[redacted]	[redacted]
A	8.	Refrigeration Options	Hot Gas Bypass Lead Stage (HGB)	[redacted]	[redacted]	[redacted]
A	9.	Refrigeration Accessories	Sight Glass	[redacted]	[redacted]	[redacted]
C	10.	Power Options	500 Amp Power Switch	[redacted]	[redacted]	[redacted]
0	11.	Safety options	Std	[redacted]	[redacted]	[redacted]
0	12.	Controls	Std	[redacted]	[redacted]	[redacted]
H	13.	Special Controls	Field Installed DDC Controls by Others	[redacted]	[redacted]	[redacted]
0	14A.	Pre Heat Configuration	Std (No Preheat)	[redacted]	[redacted]	[redacted]
0	14B	Preheat Sizing	Std (No Preheat)	[redacted]	[redacted]	[redacted]
0	15	[illegible]	[illegible]	[redacted]	[redacted]	[redacted]
A	16	Cabinet Options	[illegible]	[redacted]	[redacted]	[redacted]
0	17	Cabinet Options	Std	[redacted]	[redacted]	[redacted]
0	18	[illegible]	[illegible]	[redacted]	[redacted]	[redacted]
0	19	[illegible]	Std CUL USA Listing	[redacted]	[redacted]	[redacted]
0	20	[illegible]	[illegible]	[redacted]	[redacted]	[redacted]
0	21	Energy & Water	[illegible]	[redacted]	[redacted]	[redacted]
0	22	[illegible]	Std	[redacted]	[redacted]	[redacted]
B	23	[illegible]	Std (Requires Crate Packed)	[redacted]	[redacted]	[redacted]
			Subtotal	[redacted]	[redacted]	[redacted]
			Quantity	2		
			Total	[redacted]	[redacted]	[redacted]

AAON, Inc.

A-0440

Submittal

2425 South Yukon Ave - Tulsa, Oklahoma 74107-2728 - Ph. (918) 583-2266 Fax (918) 583-6094

AAONEcat52 Ver. 4.00 Beta

RL-155-3-0-AB06-000:HGC1-E00-QB1-0B0-JAAC00H-00-0A000000B

(1A 1B 1C 1D 2 3 4 5A 5B 5C 6A 6B 6C 7 8 9 10 11 12 13 14A 14B 15 16 17 18 19 20 21 22 23)

Tag: RTU# 1,2

Job Name: *Weirton Medical Center*
Job Number: *Job #1*

Submittal For: *Tobey-Karg Sales Agency*
Submittal Date: *November 19, 2001*

	Base Option	Description
R	Series	Roof Top Unit
L	Generation	Eighth Generation
155	Size	One Hundred and Fifty Five
3	Voltage	460V/3Ø/60Hz
0	Interior Protection	Standard
A	Cooling Style	Draw Thru--R22 Dual Circuited Compressors
B	Cooling Configuration	Air Cooled Cond w/ 6R coil High CFM
0	Cooling Coating	Std
6	Cooling Stages	6 Stage
0	Heating Type	No Heat
0	Heating Designation	No Heat
0	Heating Stages	No Heat

	Feature Option	Description
H	1A. Outside Air Options	Heat Wheel Small (S) (1-74 inch wheel)[1]
G	1B. RA Blower Configuration	2 Blowers (Prem eff mtr)w/ 2-motors 2-VFD
C	1C. RA Blower	Blower C (42" Dia 12 Blade)
1	1D. RA Motor	25.0 hp (1760 rpm)
E	2. Outside Air Controls	DDC Econ Control
0	3. Discharge Location	Bottom Discharge
0	4. Return Location	Bottom Return
Q	5A. SA Blower Configuration	4 Blowers w/(Prem eff mtr) w/4-VFD's
B	5B. SA Blower	Blower B (30" Diametor)
1	5C. SA Motor	25.0 hp (1760 rpm)
0	6A. Pre-Filter	2" Pleated
B	6B. Final Filter	12" Cartridge 85% Eff--Filter Box B
0	6C. Filter Options	Std
J	7. Refrigeration Controls	5 MTDR On & Off + 20 STDR + 115V Outlet Factory Wired
A	8. Refrigeration Options	Hot Gas Bypass Lead Stage [HGB]
A	9. Refrigeration Accessories	Sight Glass
C	10. Power Options	600 Amps Power Switch
0	11. Safety options	Std
0	12. Controls	Std
H	13. Special Controls	Field Installed DDC Controls by Others
0	14A. Pre-Heat Configuration	Std (No Preheat)
0	14B Pre-Heat Sizing	Std (No Preheat)
0	15. Option Boxes	Std
A	16. Cabinet Options	Stainless Steel Drain Pans
0	17. Cabinet Options	Std
0	18. Customer Code	Std
0	19. Code Options	Std ETL USA Listing
0	20. Unit Splits	Std (One Piece Unit)
0	21. Evap & Water Condenser	Std (No Evap or Water Condenser)
0	22. Blank	Std
B	23. Type	Std (Includes 'Gray Paint')

AAON, Inc.
3425 South Yukon Ave · Tulsa, Oklahoma 74107-2728 · Ph. (918) 583-2266 Fax (918) 583-6094

A-0440

Unit Rating

AAONEcat32 Ver. 4.00 Beta

RL - 155 - 3 - 0 - AB06 - 000 : HGC1 - E00 - QB1 - 0B0 - JAAC00H - 00 - 0A000000B
(1A 1B 1C 1D 2 3 4 5A 5B 5C 6A 6B 6C 7 8 9 10 11 12 13 14A 14B 15 16 17 18 19 20 21 22 23)

Tag: RTU# 1,2

Job Information

Job Name:	*Weirton Medical Center*
Job Number:	*Job #1*
Site Altitude:	*0 ft*

Unit Information

Unit Size:	*One forty five tons*
Cabinet Size:	*D*
Approx. Op./Ship Weights:	*31356 / 31184 lbs.*
Supply CFM/ESP:	*52000 / 2.5 in. wg.*
Exhaust CFM/ESP/TSP:	*41000 / 1.30 / 2.78 in. wg.*
Outside CFM:	*11500*
Ambient Temperature:	*92 °F DB / 75 °F WB*

Static Pressure

External:	*2.50 in. wg.*
Evaporator:	*0.94 in. wg.*
Filters Clean:	*0.68 in. wg.*
Dirt Allowance	*0.35 in. wg.*

Economizer:	*0.21 in. wg.*
Heating:	*0.00 in. wg.*
Cabinet:	*0.59 in. wg.*
Heatwheel:	*1.30 in. wg.*
Total:	*6.57 in. wg.*

Cooling Section

	Gross	Net
Total Capacity:	*1585.76*	*1369.62 MBH*
Sensible Capacity:	*1209.04*	*992.90 MBH*
Latent Capacity:	*376.72 MBH*	
HW Total Cooling Capacity:	*6.87 °F MBH*	
Mixed Air Temp:	*75.00 °F DB*	*64.00 °F WB*
Entering Air Temp:	*75.00 °F DB*	*64.00 °F WB*
Lv Air Temp (Coil):	*53.71 °F DB*	*53.64 °F WB*
Lv Air Temp (Unit)	*57.54 °F DB*	*55.20 °F WB*
Supply Air Fan:	*DT - 4 x 300 @ 19.98 BHP Ea.*	
SA Fan RPM / Width:	*1580 / 99%*	
Exhaust Air Fan:	*2 x MW4212-35 @ 19.19 BHP Ea.*	
EA Fan RPM:	*1500*	
Evaporator Coil:	*36.8 ft² / 6 Rows / 12 FPI*	
Evaporator Face Velocity:	*599.0 fpm*	
Energy Recovery Wheel:	*1 x ERC-7490*	

Heating Section

PreHeat Type:	*Std (No Preheat)*
Heating Type:	*No Heat*

EER - ARI Listing Information

No ARI Rating Program Exists for Units Over 250 MBH
All AAON Units Are Tested in Accordance With ARI Standards

EER @ ARI Conditions:	*9.2*	**EER Compressor Only @ ARI Conditions:**	*12.0*
Application EER @ Op. Conditions:	*5.8*	**Condensing Unit EER @ Op. Conditions:**	*11.1*

Electrical Data

Rating:	*460/3/60*	Minimum Circuit Amp:	*492*
Unit FLA:	*481*	Maximum Overcurrent:	*500*

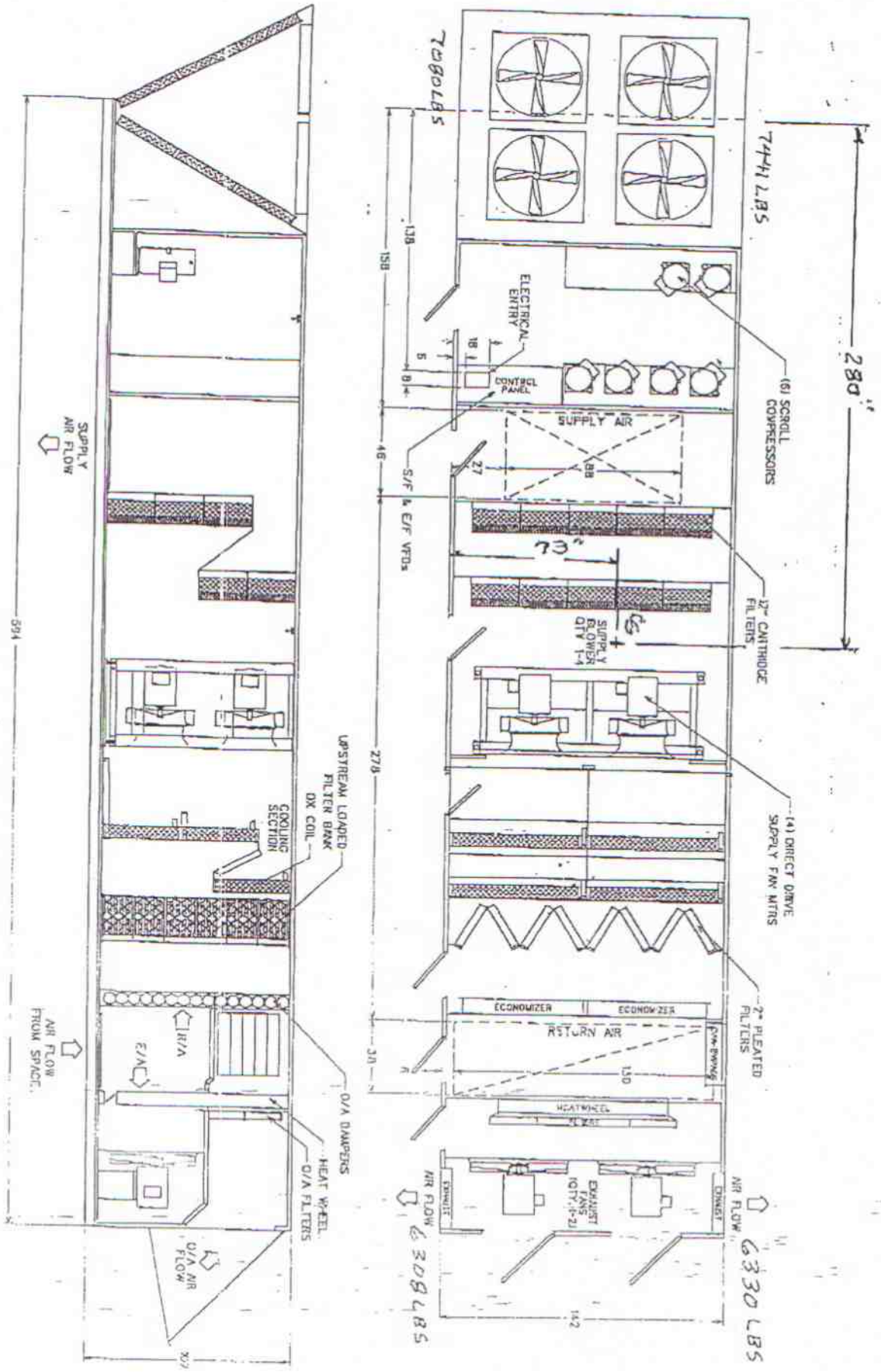
Motors

	Qty	HP	VAC	Phase	RPM	FLA	RLA
Compressor 1:	2		460	3			26.96
Compressor 2:	4		460	3			46.15
Condenser Fans:	5	5.00	460	3	1170	7.6	
Supply Fan:	4	25.00	460	3	1760	34.0	
Exhaust Fan:	2	25.00	460	3	1760	34.0	
Heatwheel:	1	0.25	230	1	1760	0.0	

Cabinet Sound Power Levels*

Octave Bands:	63	125	250	500	1000	2000	4000	8000
Discharge LW(dB):	100	99	99	101	99	9?	92	85
Return LW(dB)	96	91	85	77	67	67	72	74

*Sound power levels are given for informational purposes only. The sound levels are not guaranteed.


RL 155
DX COOLING, NO HEAT
HEAT RECOVERY
85% CARTRIDGE FILTERS
7480 LBS
7411 LBS
280"
(6) SCROLL COMPRESSORS
ELECTRICAL ENTRY
CONTROL PANEL
SUPPLY AIR
SUPPLY AIR FLOW
SF & EF VFDs
73"
12" CARTRIDGE FILTERS
SUPPLY BLOWER QTY 1-4
(4) DIRECT DRIVE SUPPLY FAN MTRS
UPSTREAM LOADED FILTER BANK
DX COIL
COOLING SECTION
ECONOMIZER
RETURN AIR
2" PLEATED FILTERS
HEATWHEEL
EXHAUST FANS QTY 1-2
O/A DAMPERS
HEAT WHEEL
O/A FILTERS
O/A AIR FLOW
AIR FLOW FROM SPACE
EF
O/A
6330 LBS
20841 LBS

A-0440

SOI Tracking Form

Sales

MUST BE COMPLETE BY: 11/14/01

SOLD TO: FORFY/KARG JOB NAME:

AAON CONTACT: REQUESTED SHIP DATE: 7/11/02 (4)

DSO NUMBER: PROJECTED SHIP DATE: 11/14/01

COMMENTS:

Engineering

MUST BE COMPLETE BY:

SOI REQUIRED ?: ☐ YES ☐ NO

AEN / ECN No.: ☐ N/A

BILL WORK REQ. ON STD. BILLS ?: ☐ YES ☐ NO

ALL UNITS CONFIGURED ?: ☐ YES ☐ NO

WIRING DIAGRAMS COMPLETE ?: ☐ YES ☐ NO

SPECIAL NAMEPLATE INFORMATION: ☐ YES ☐ NO

SPECIAL ORDER PARTS REQ. ?: ☐ YES ☐ NO

AGENCY APPROVED ? ☐ YES ☐ NO

IF NO AGENCY APPROVAL, EXPLAIN:

COMMENTS:

PREPARED BY: DATE GIVEN TO PROD. / INV. CNTL.:

Production / Inventory Control

MUST BE COMPLETE BY:

SPECIAL PARTS ON ORDER ?: ☐ YES ☐ NO

SPECIAL BILL WORK COMPLETE ?: ☐ YES ☐ NO

ALL WORK ORDERS ENTERED ?: ☐ YES ☐ NO

SOI INFO. CORRECT TO ENTER ?: ☐ YES ☐ NO

COST ROLL-UP COMPLETE ?: ☐ YES ☐ NO

DATE GIVEN TO MANUFACTURING?:

PREPARED BY: DATE GIVEN TO SALES:

Manufacturing

MUST BE COMPLETE BY:

SOI COMPLETE ?: ☐ YES ☐ NO

NAMEPLATE INFO COMPLETE ?: ☐ YES ☐ NO

WIRING DIAGRAM COMPLETE ?: ☐ YES ☐ NO

SPECIAL INSTRUCTIONS COMPLETE ?: ☐ YES ☐ NO

COMMENTS:

PREPARED BY: DATE GIVEN TO PROD. / INV. CNTL.:

SPECIAL COMMENTS:

7-11-95

AAON, Inc. Memorandum via Datafax

To: Creed Hess
Tobey Karg

From: Jim Parro

Date: November 19, 2001

Subject: RL Selection for Weirton Medical Center

cc: B. Pohl, D. Schwartz, M. Roark, R. Schoonover, S. Hammoud, B. Smith, D. Knebel

Confirming our telephone conversation today, I review the following.

We have received and will be entering the subject order for 2 of the RL-155s. As I mentioned to you, we will be adding the net freight amount to the order of [redacted]

Program Error to be Corrected
While you were using the new program, you were able to key the state name directly as "W. Va." rather than using the dropdown box to point and click on "WV".

This disabled the automatic calculation of the freight amount and your printout that was sent to us indicated Zero $ for freight.

.m111901.doc